

Fig. 1 (PRIOR ART)

FIG. 2 is a block diagram of a system 200 for controlling a robot 210. The system 200 includes a robot controller 240, an image sensor 220, a robot 210, and a PDA/web-enabled display/GUI 250. The robot controller 240 is connected to the image sensor 220 via a communication link 232. The image sensor 220 includes an IR/RF transceiver 222, a communication interface 224, memory 226, a processing element 228, and an I/O interface/illumination 230. The robot 210 includes a camera 212, an illuminator 214, and a control unit 216. The robot 210 is connected to the PDA/web-enabled display/GUI 250 via a communication link 234. The PDA/web-enabled display/GUI 250 includes a control unit 252, a display 254, and a communication interface 256. The robot 210 is shown in a perspective view, with the camera 212 and illuminator 214 mounted on top. The robot 210 is connected to the PDA/web-enabled display/GUI 250 via a communication link 234. The PDA/web-enabled display/GUI 250 is shown in a perspective view, with the control unit 252, display 254, and communication interface 256. The robot 210 is shown in a perspective view, with the camera 212 and illuminator 214 mounted on top. The robot 210 is connected to the PDA/web-enabled display/GUI 250 via a communication link 234. The PDA/web-enabled display/GUI 250 is shown in a perspective view, with the control unit 252, display 254, and communication interface 256.

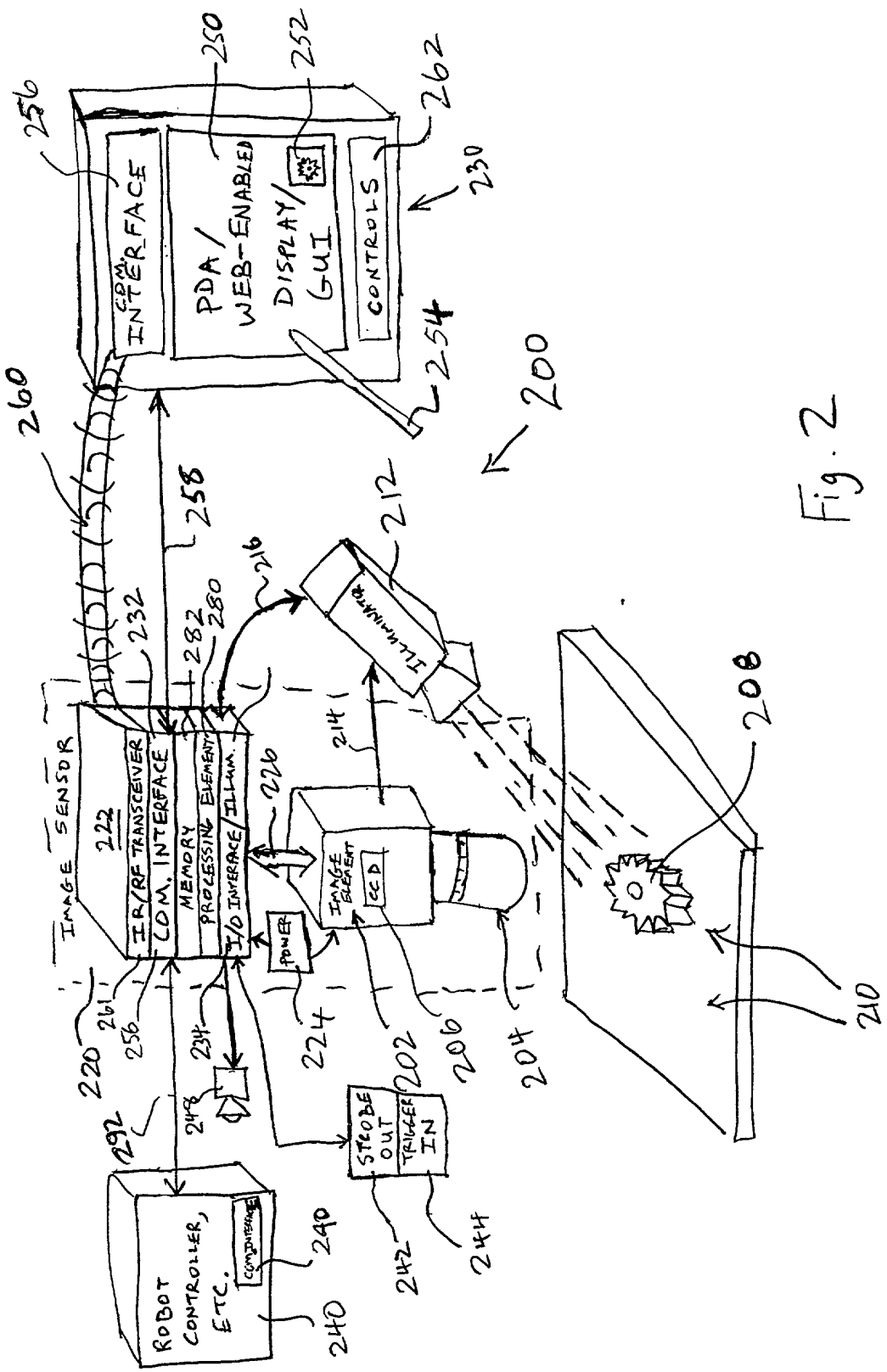


Fig. 2

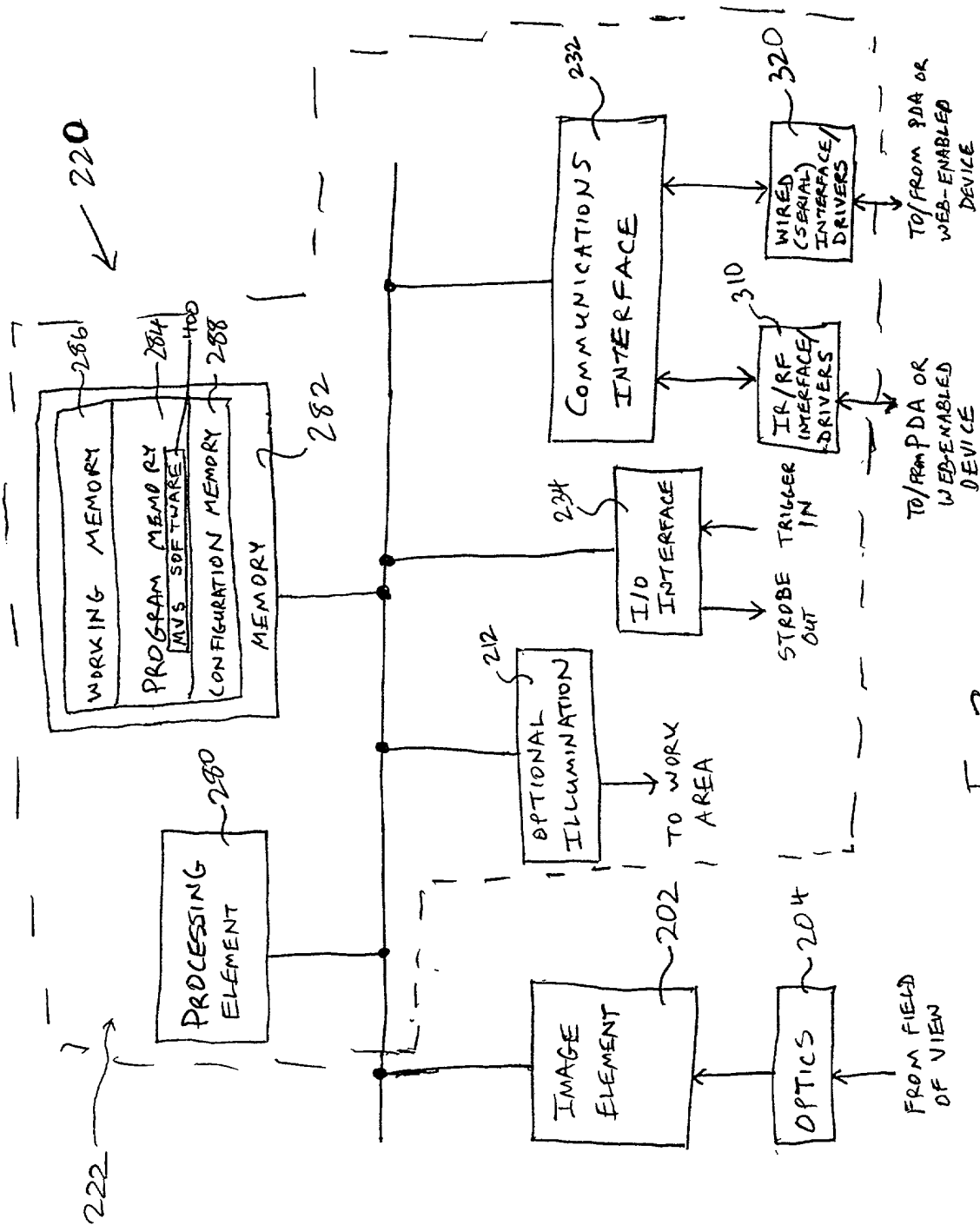


Fig. 3

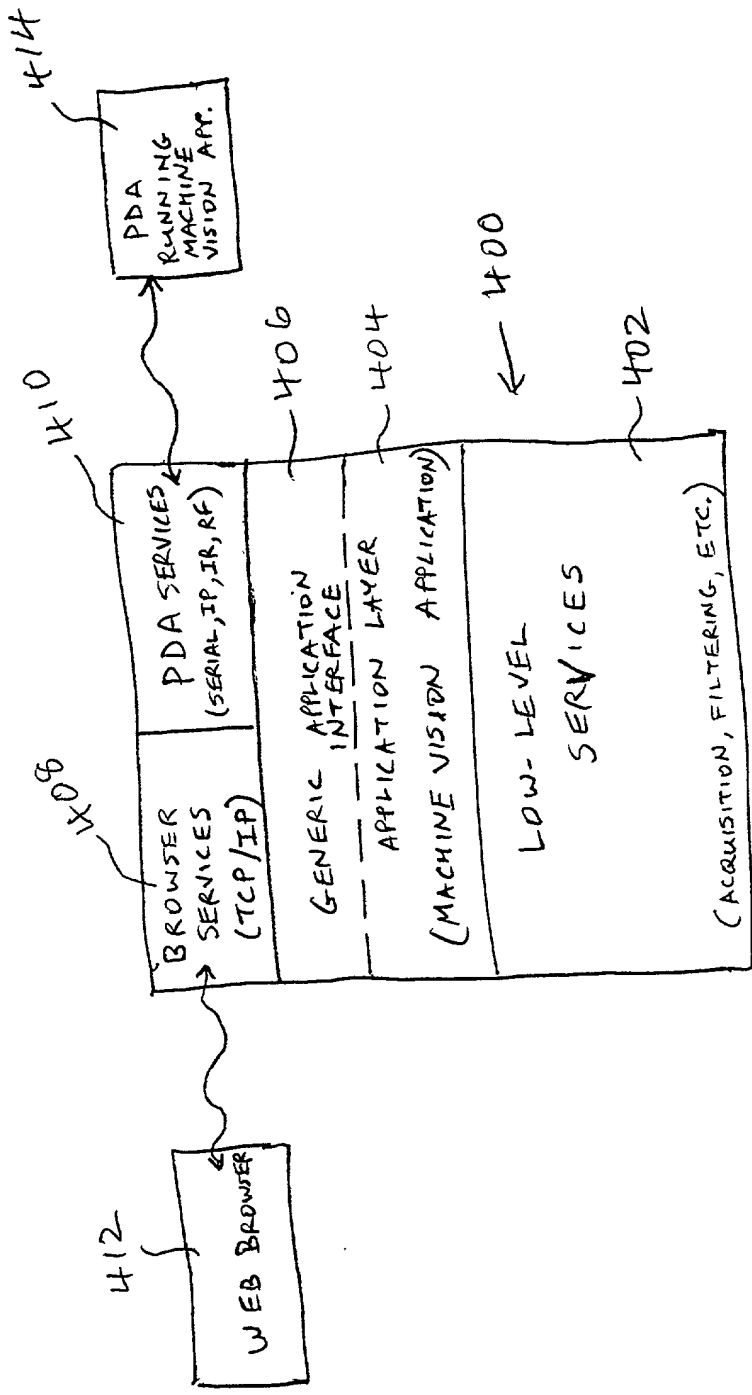


Fig. 4

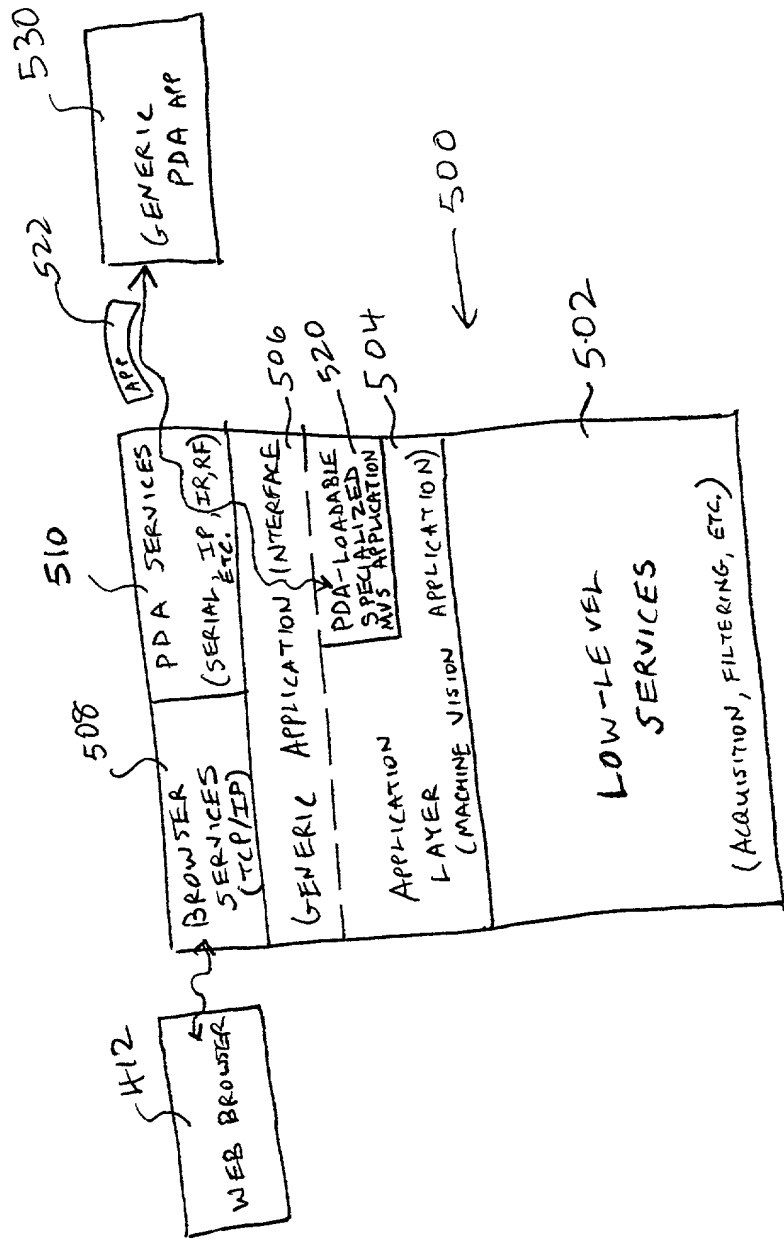


Fig. 5

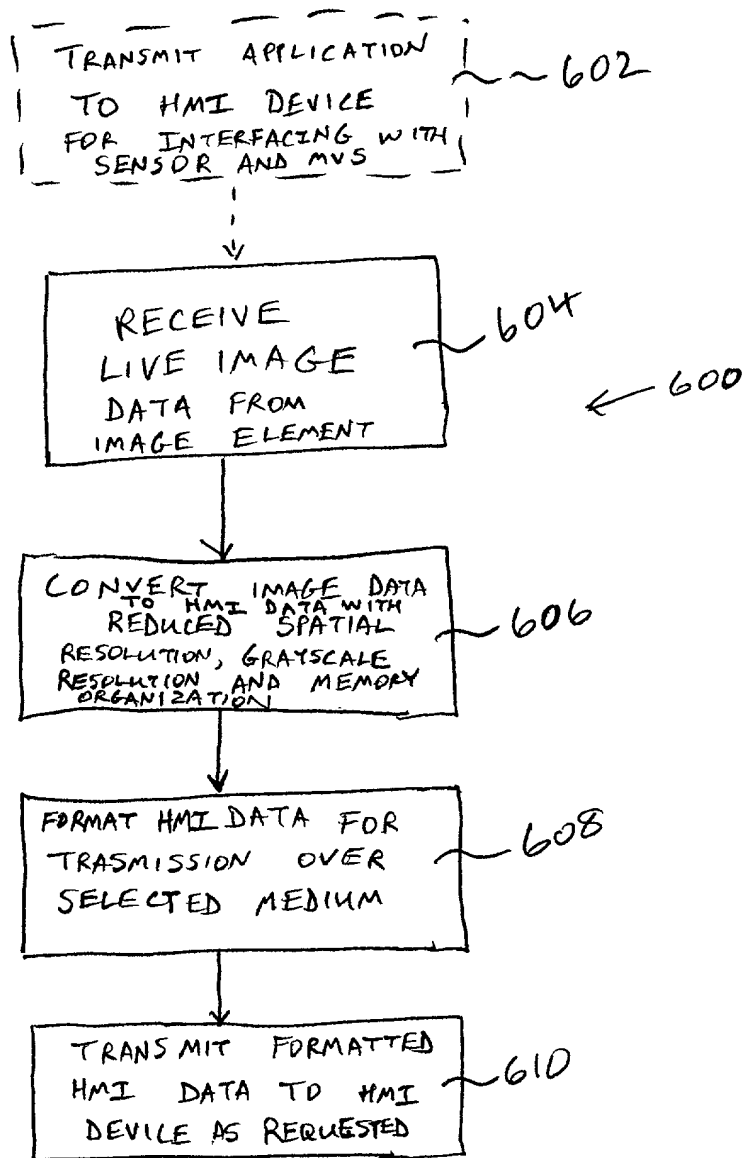


Fig. 6

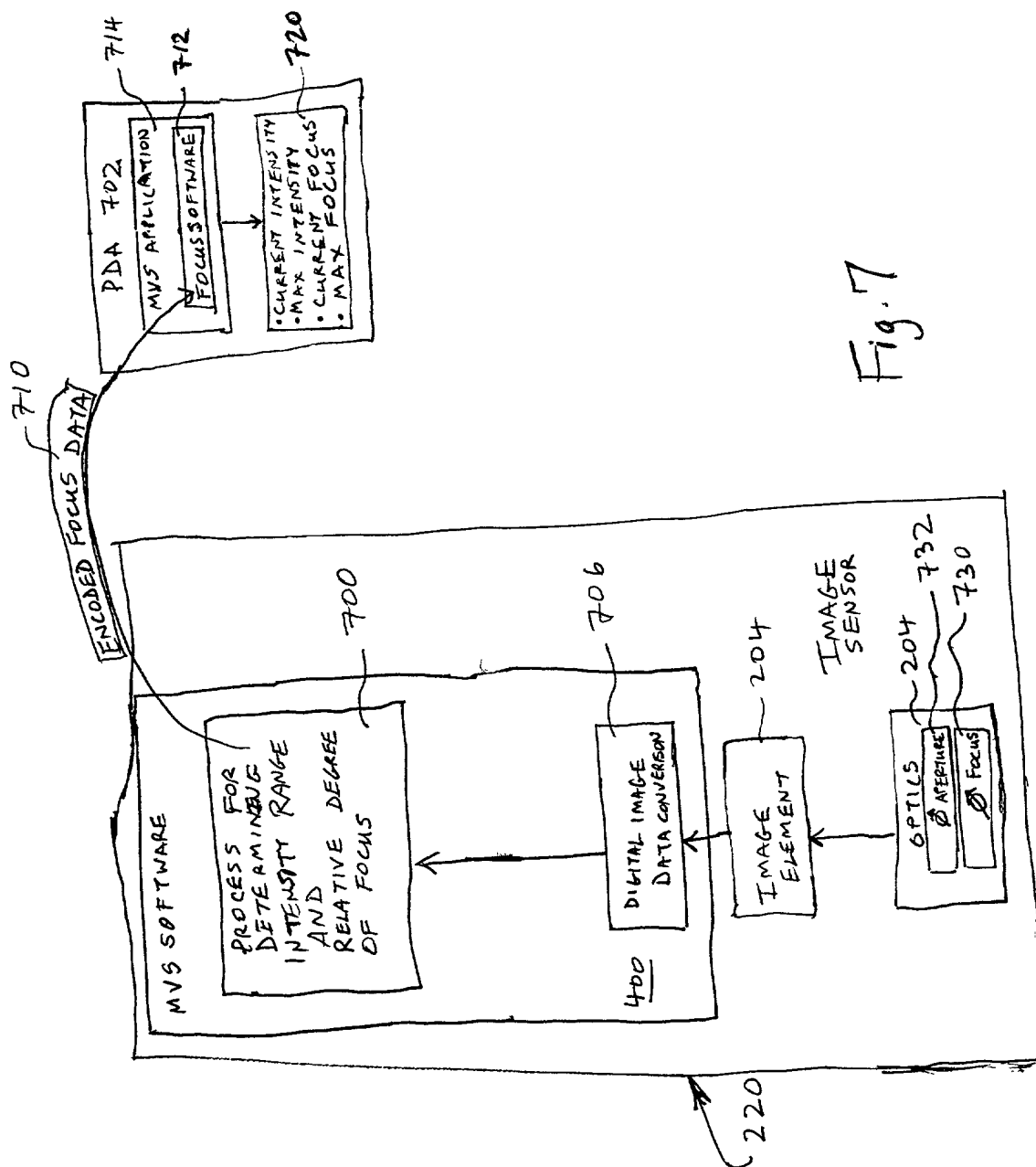


Fig. 7

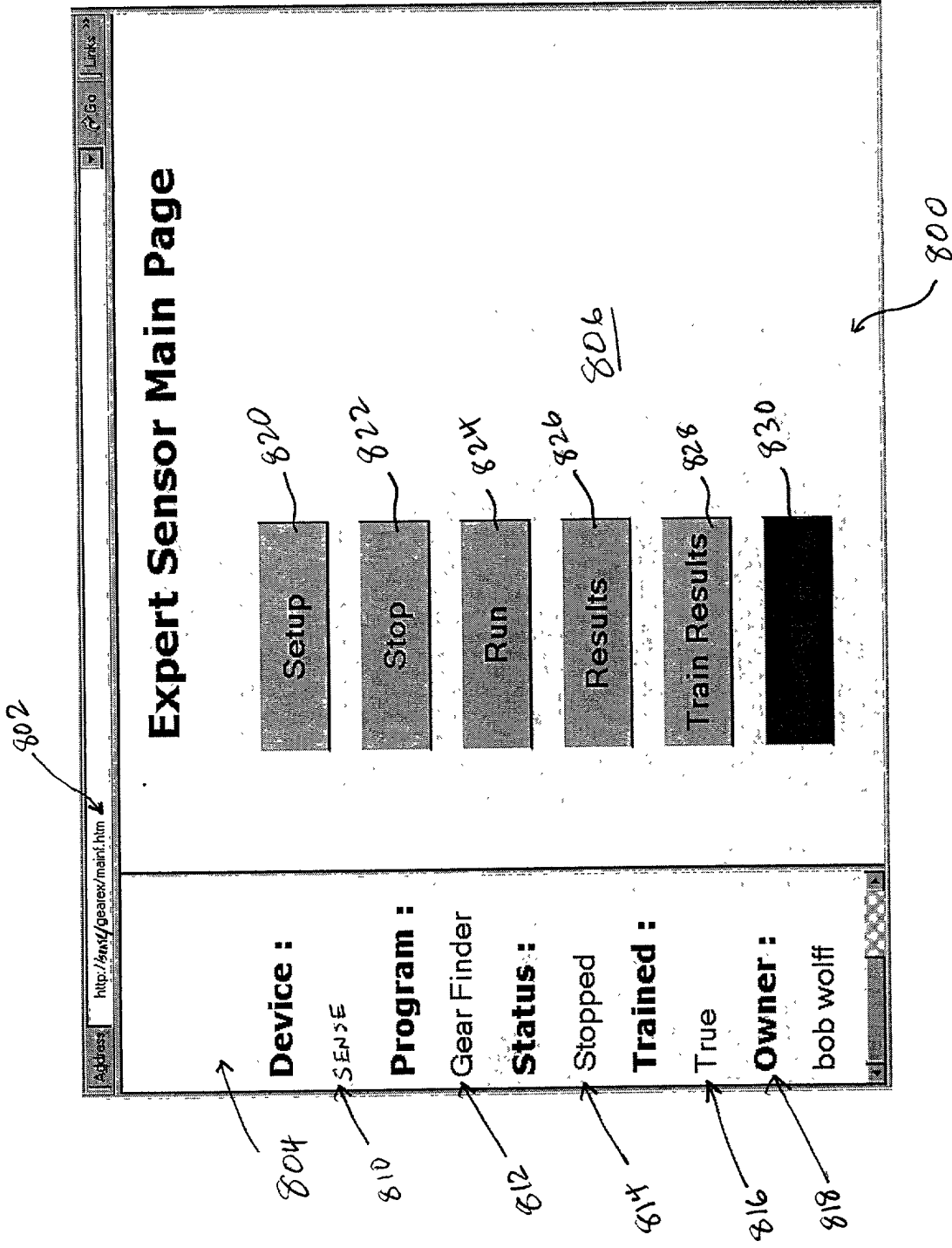


Fig. 8



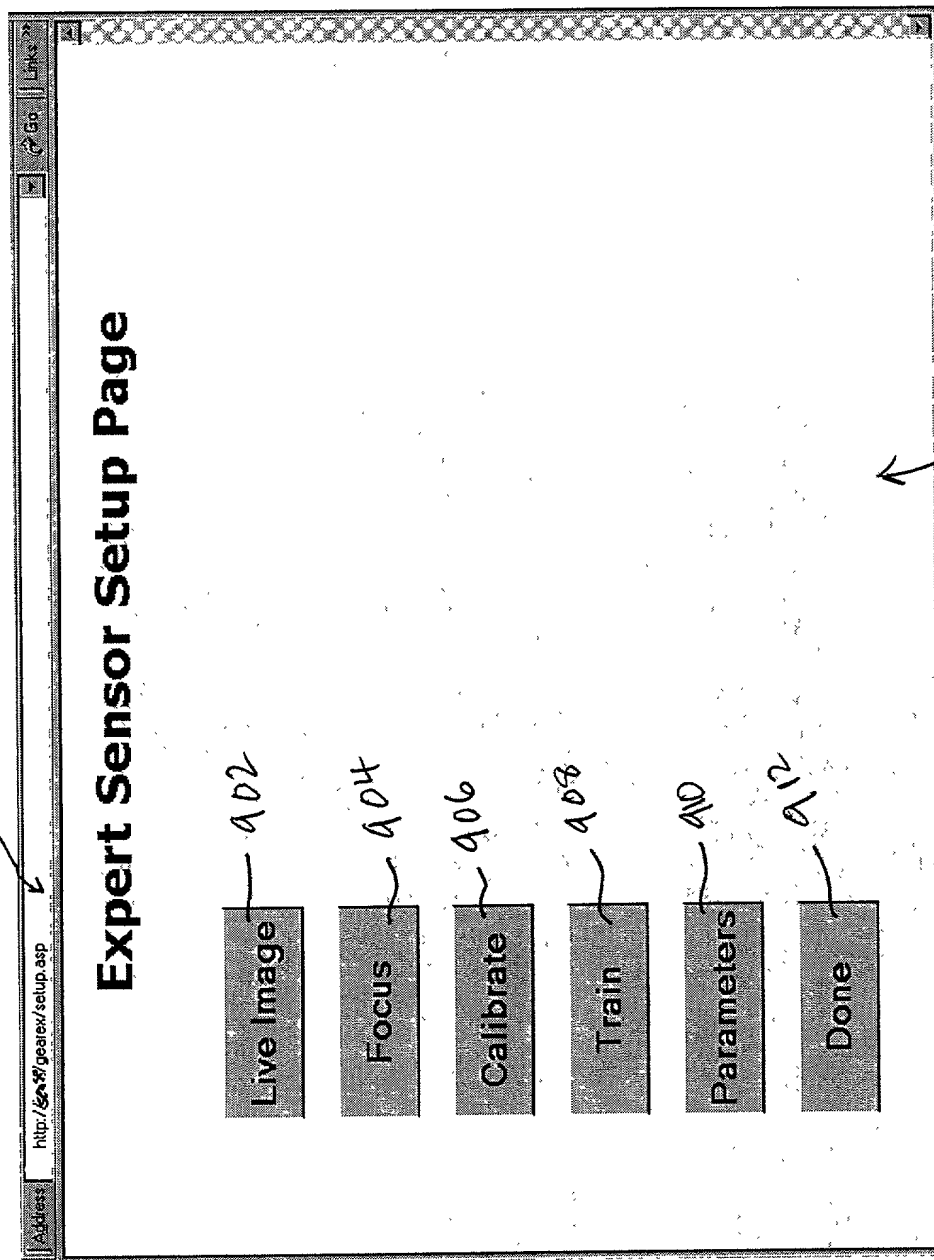


Fig. 9

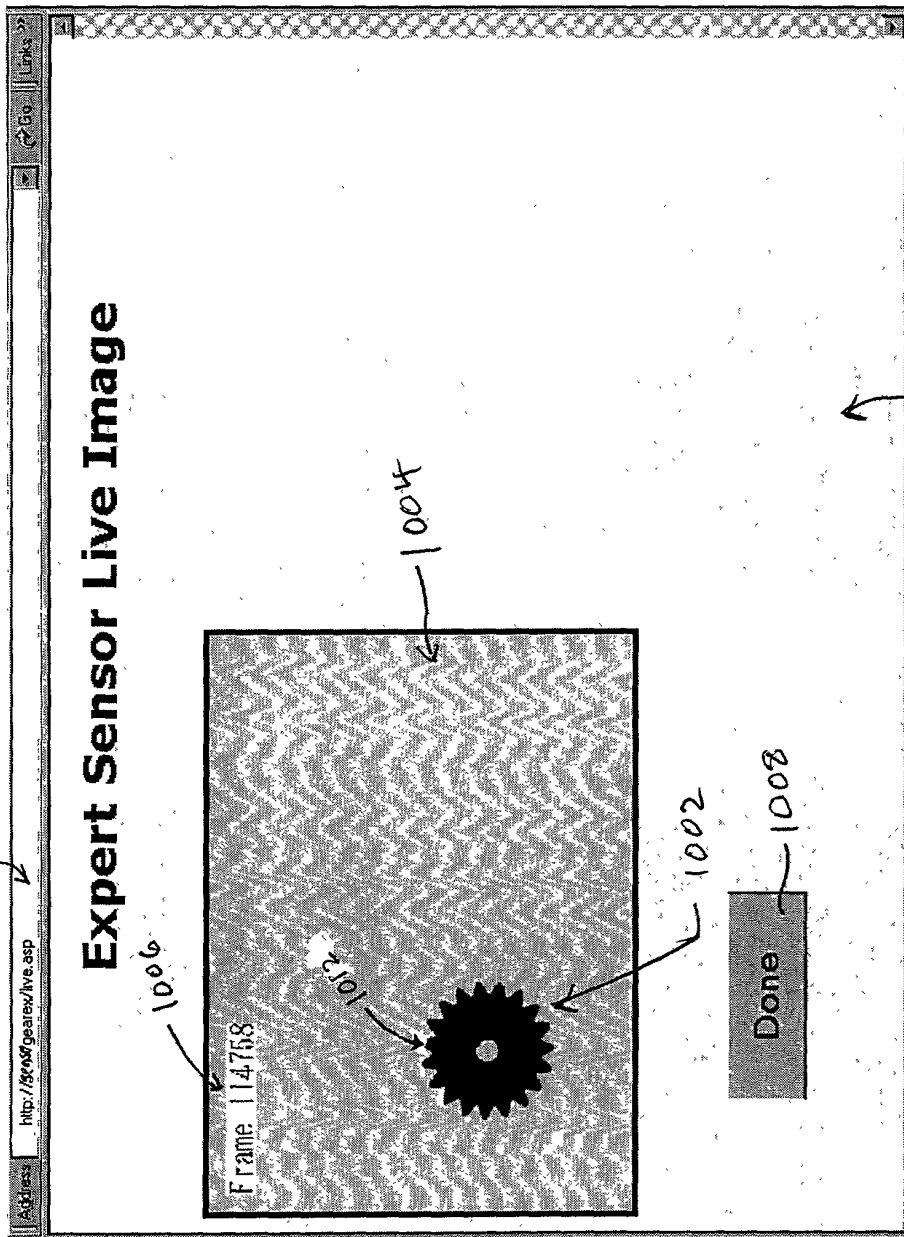


Fig. 10

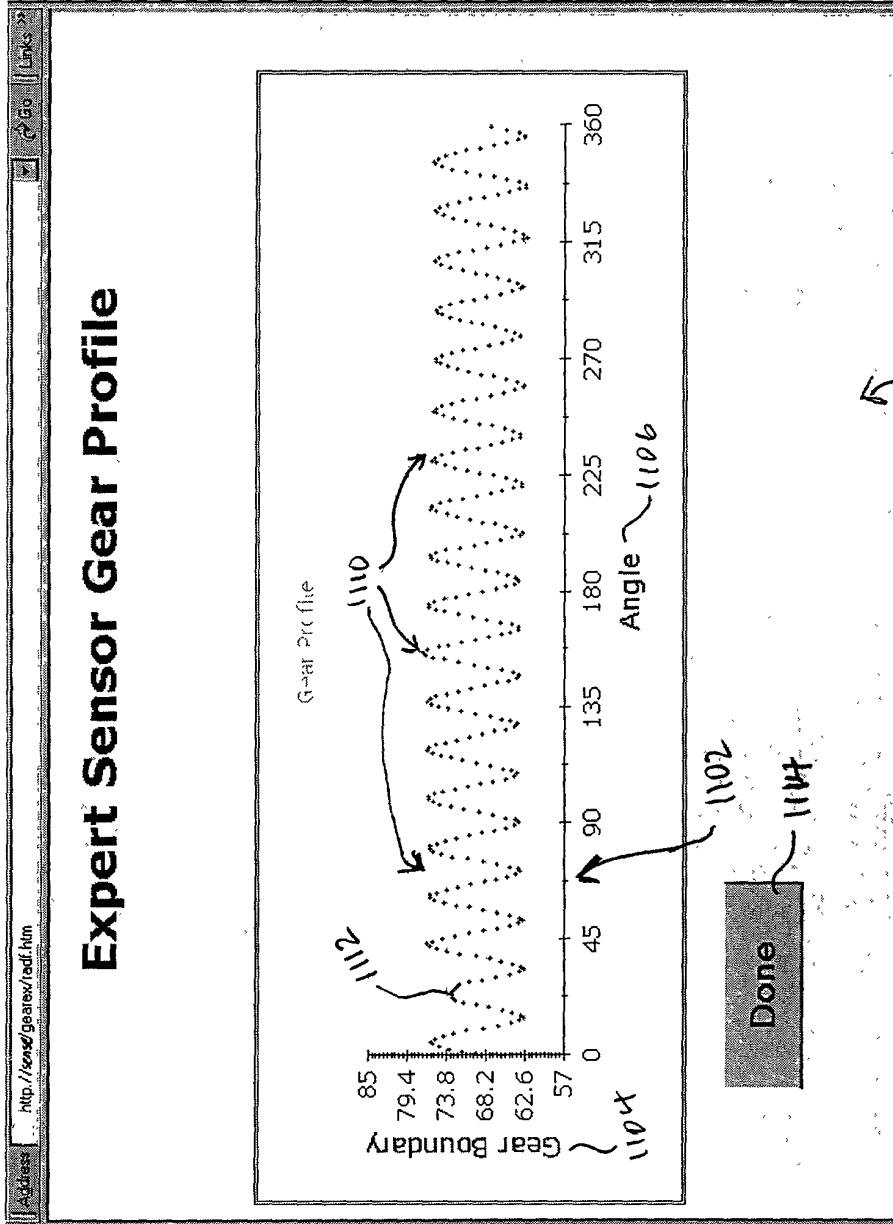


Fig. 11

1100

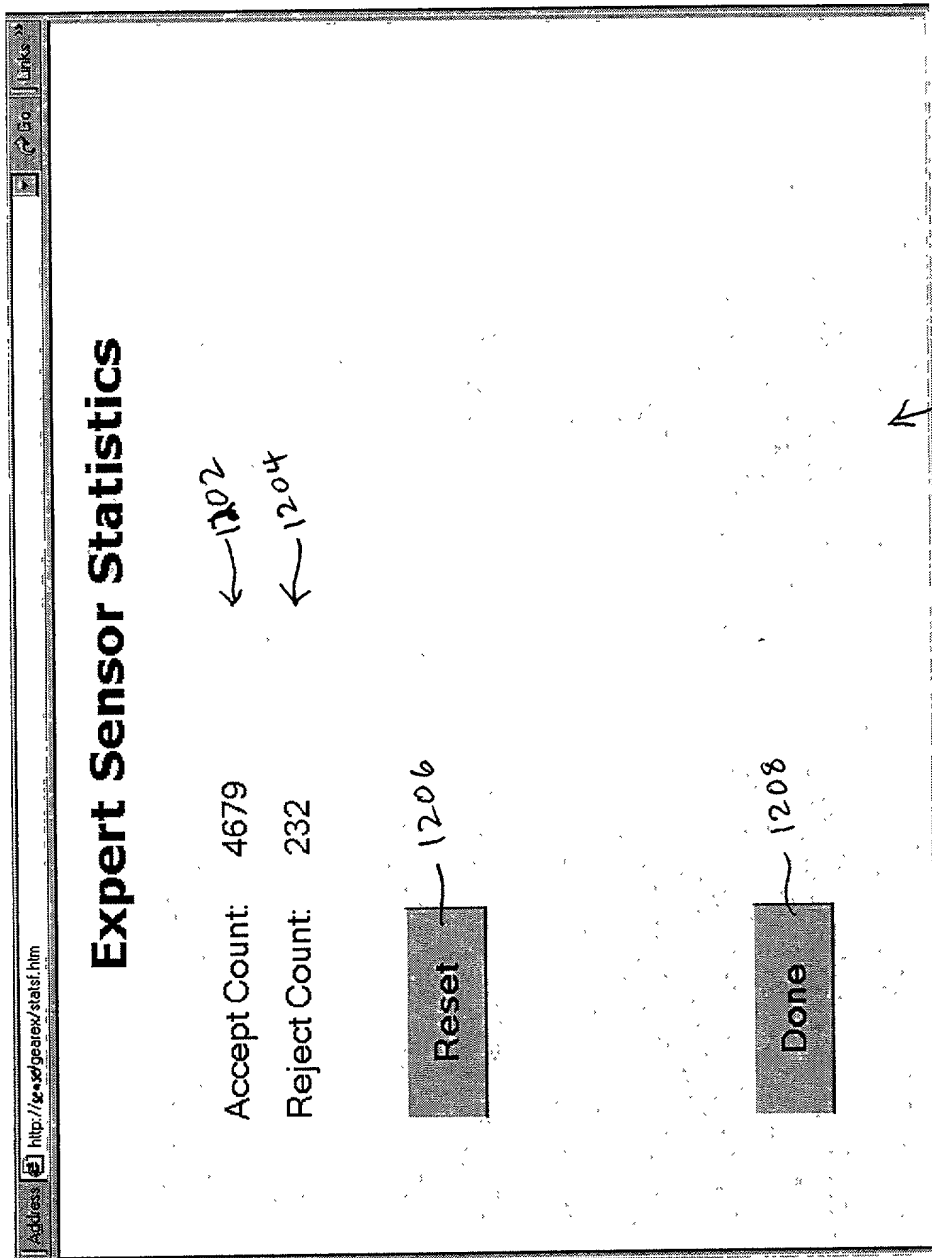


Fig. 12

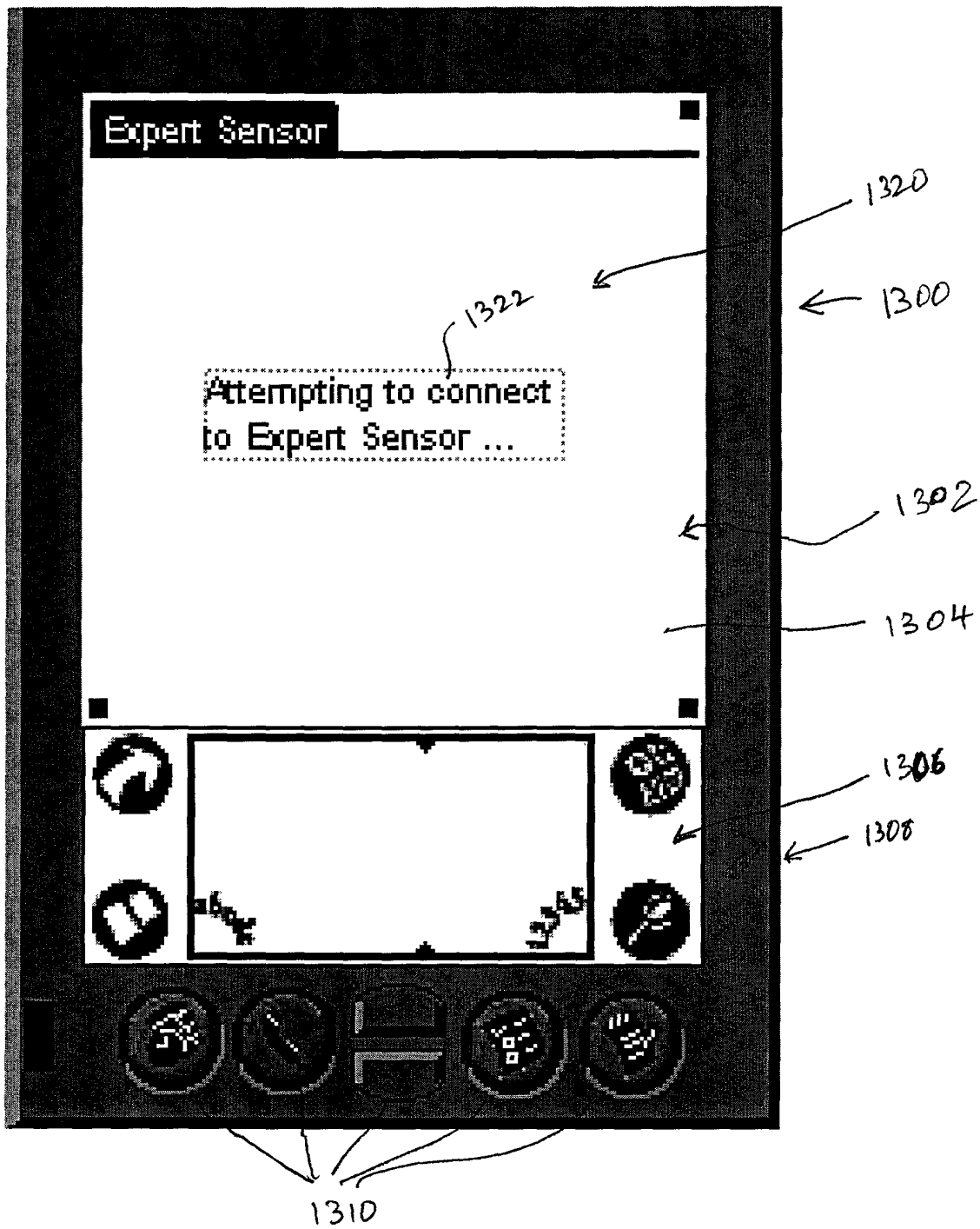


Fig. 13

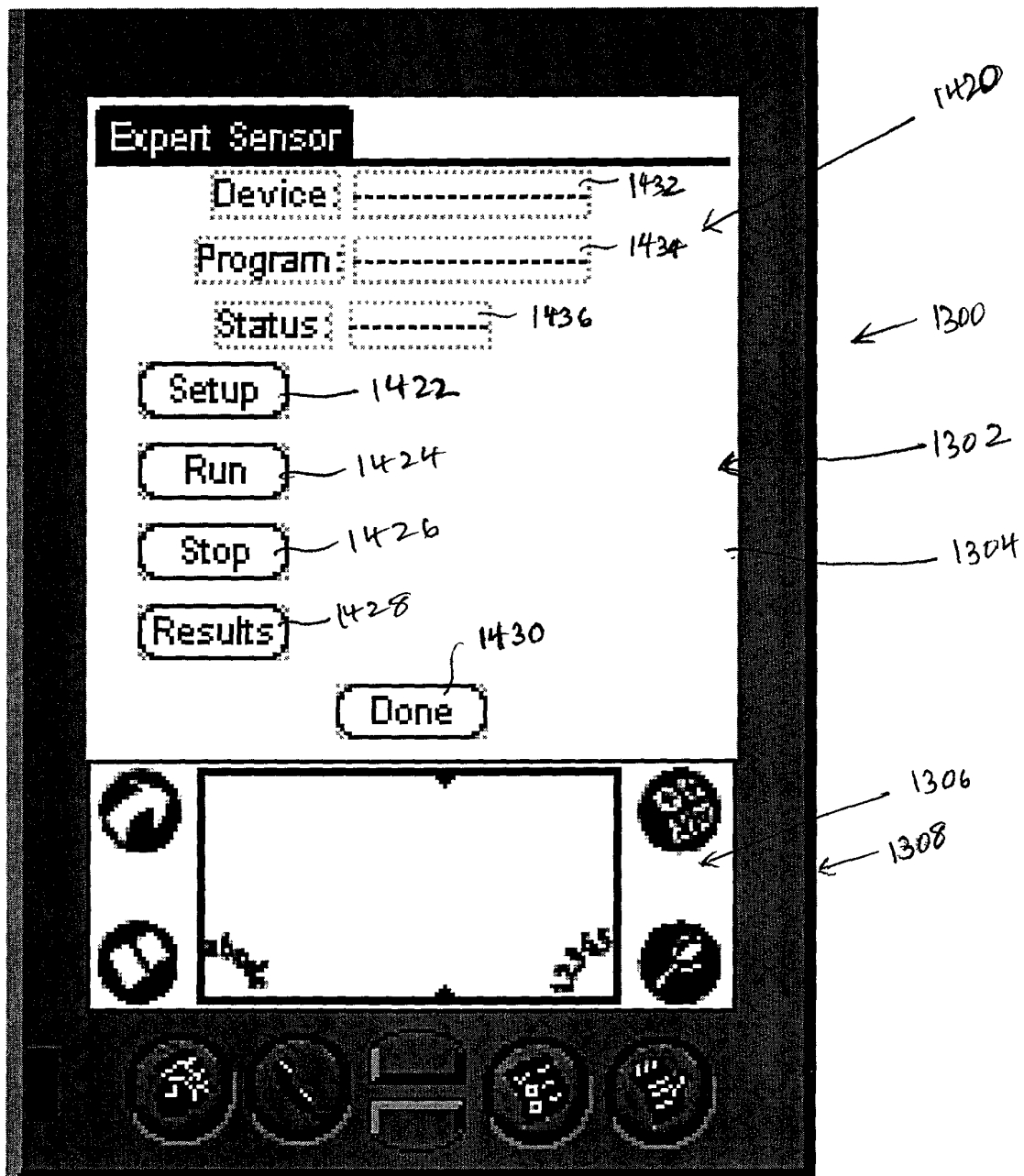


Fig. 14

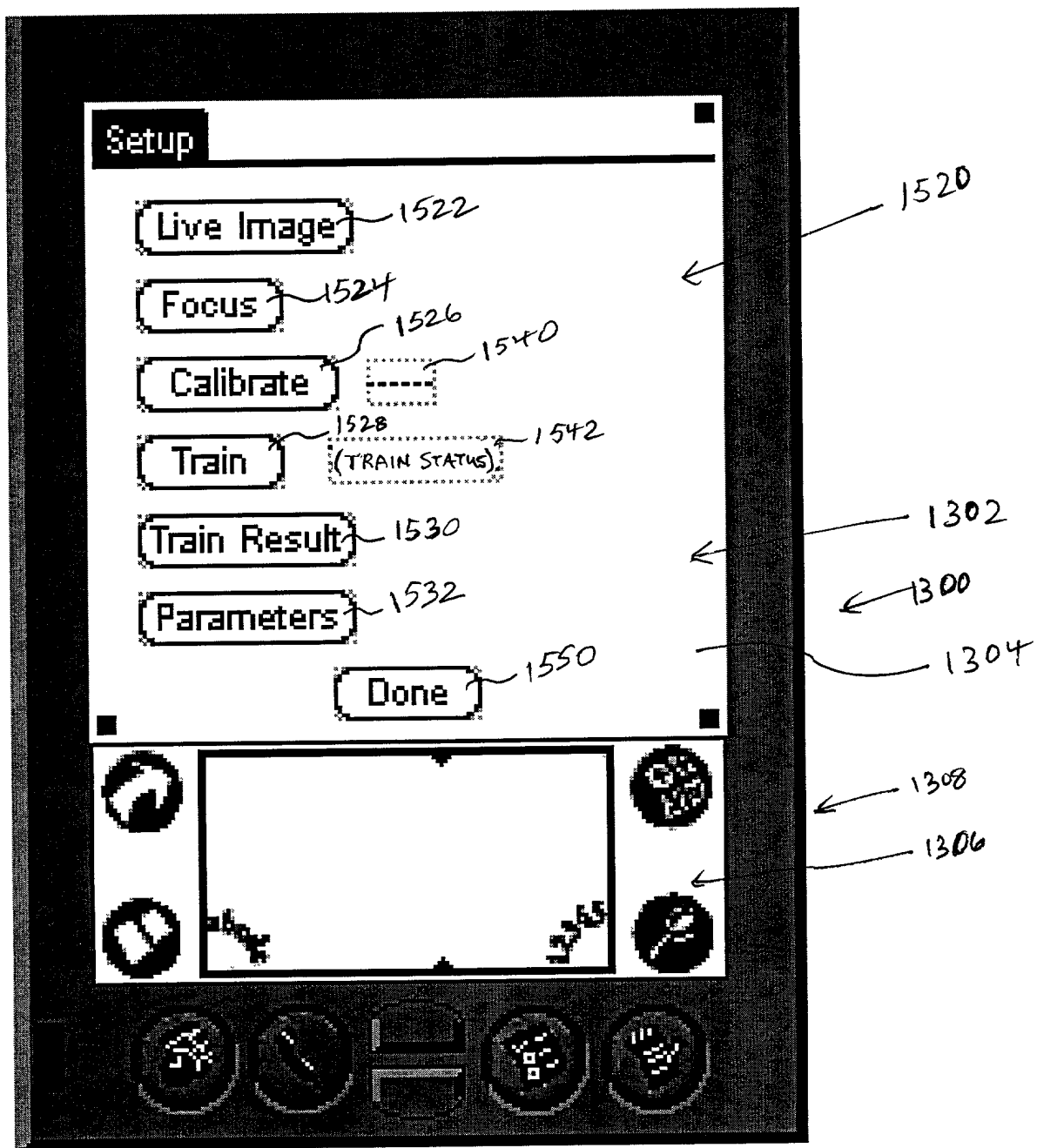


Fig. 15

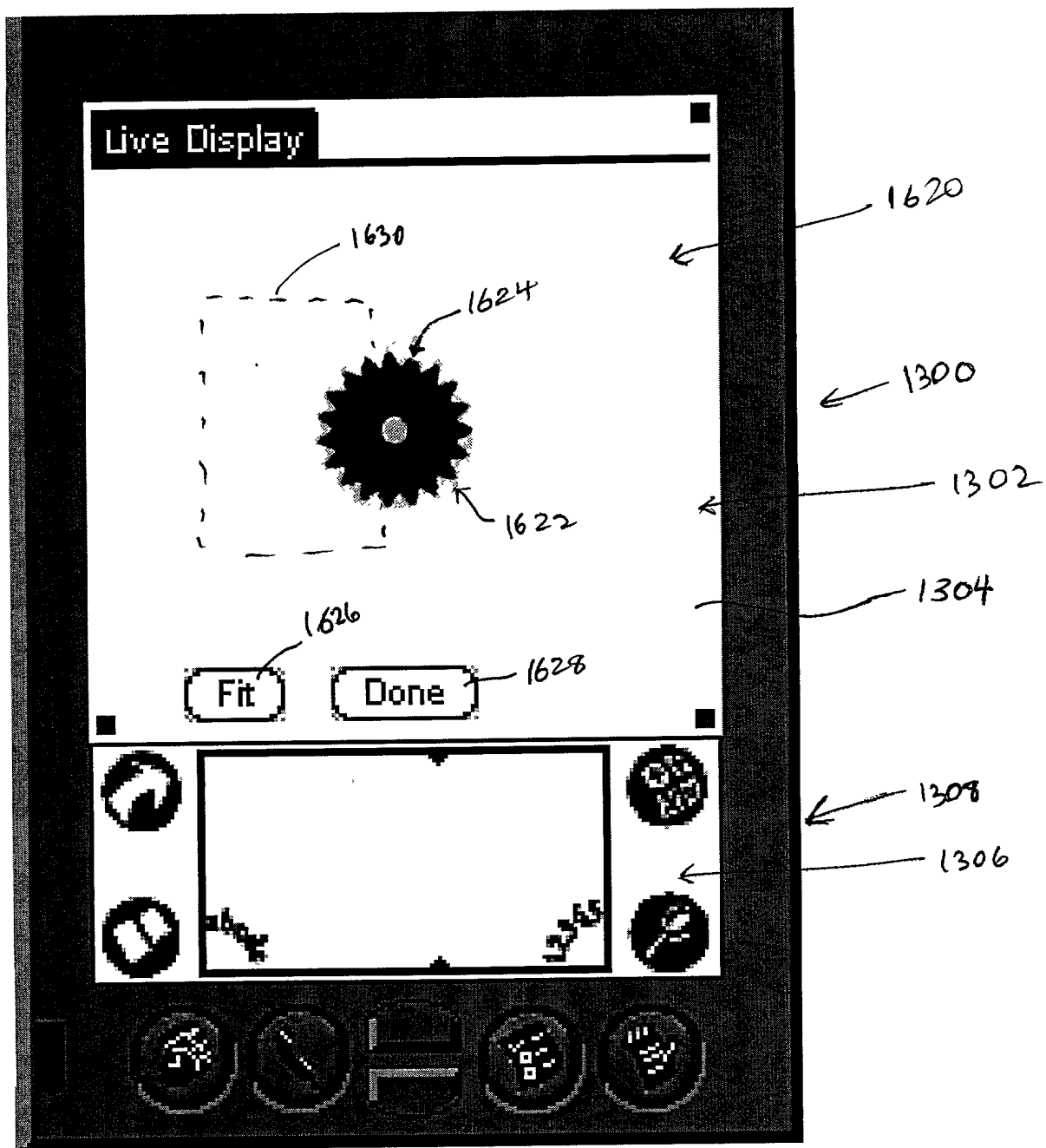


Fig. 16



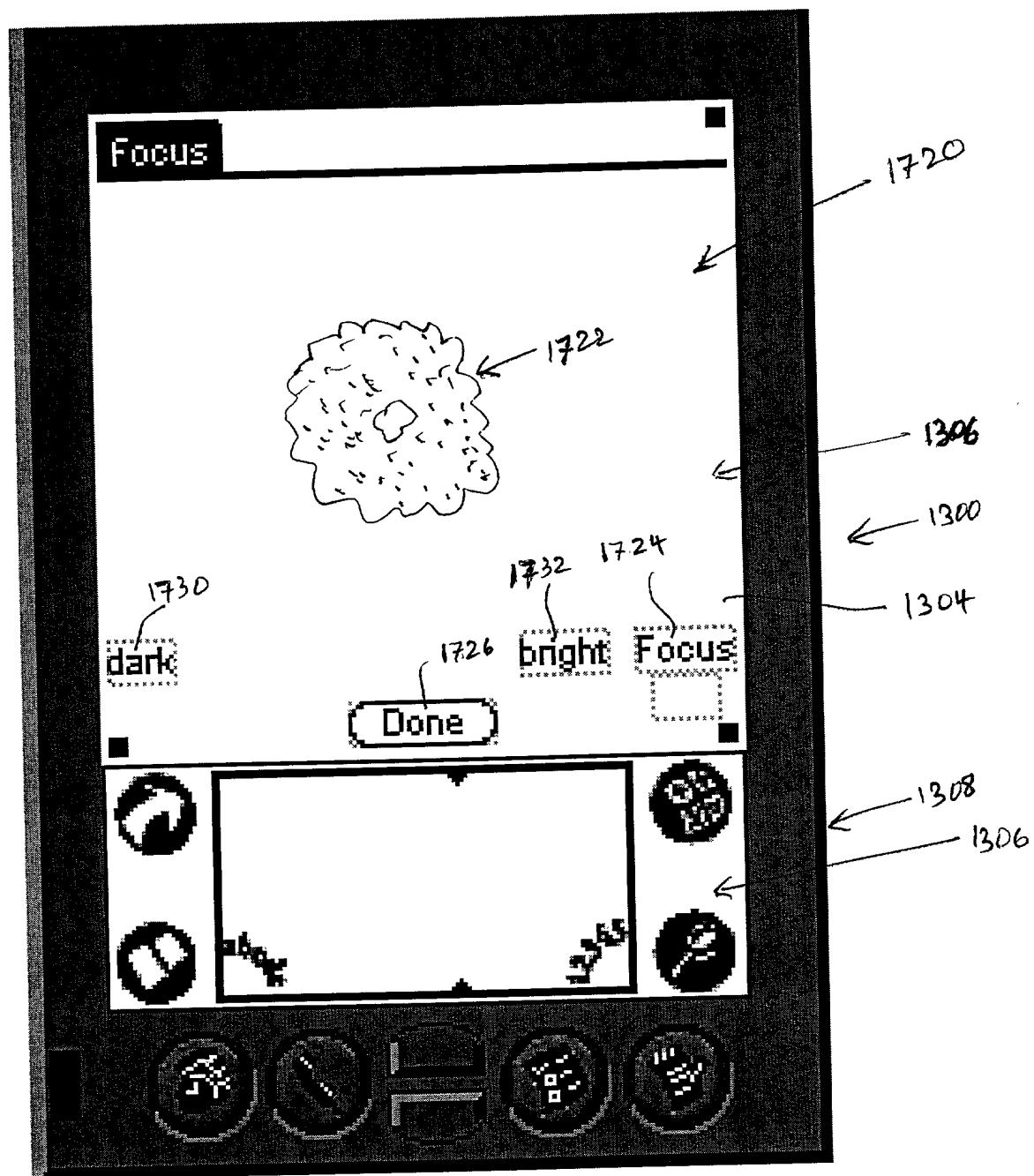


Fig. 17

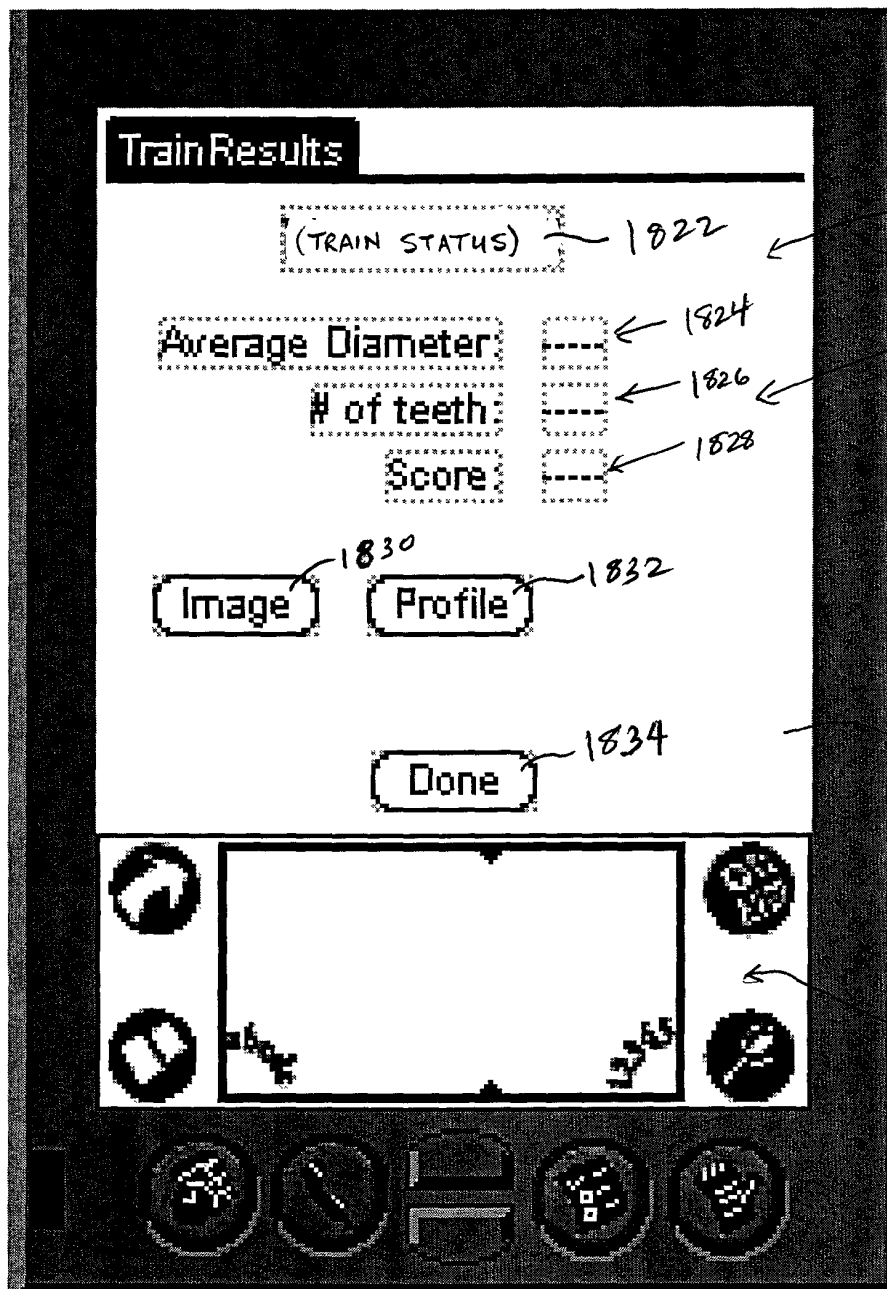


Fig. 18

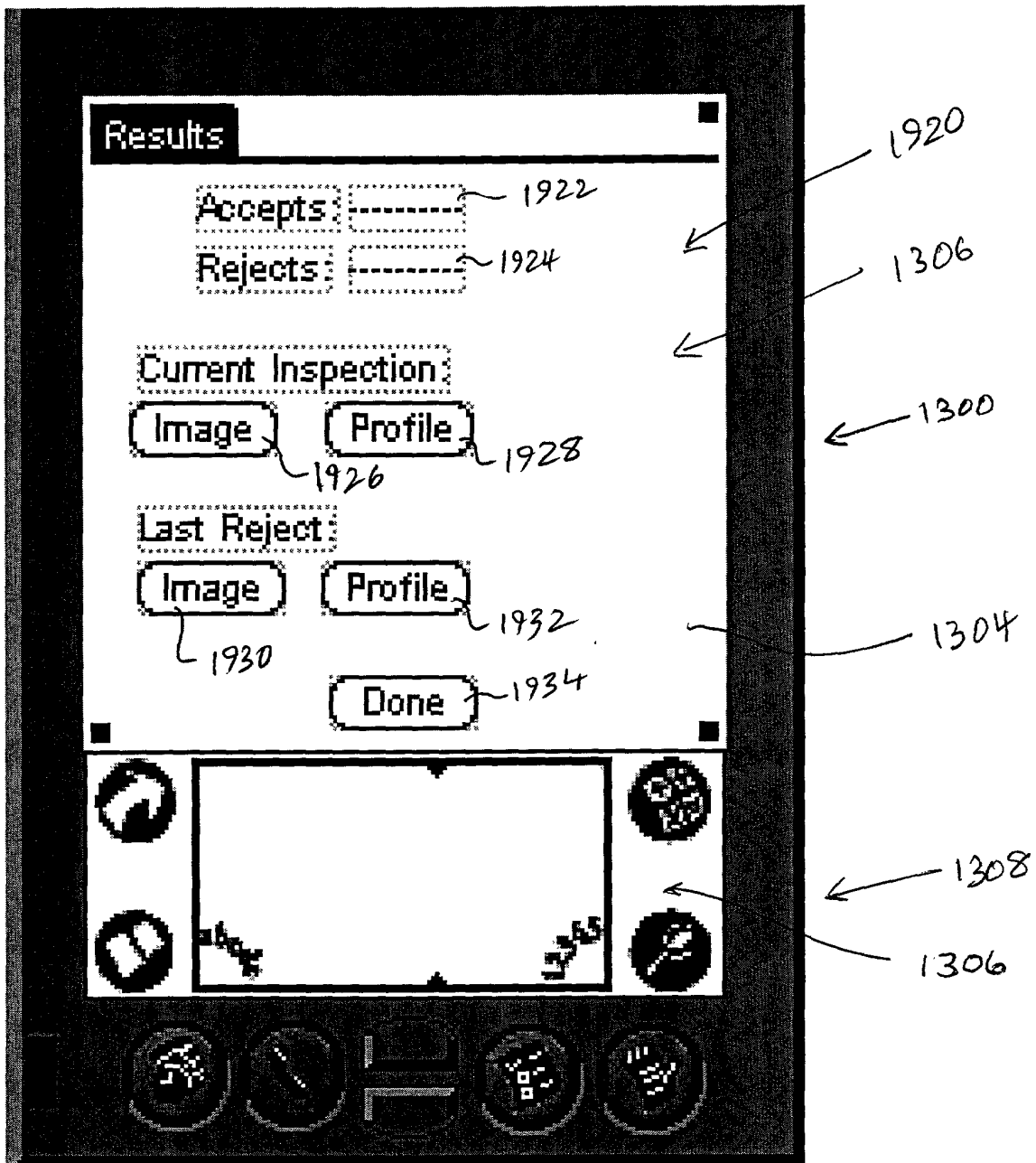


Fig. 19